

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-098833  
(43)Date of publication of application : 15.04.1997

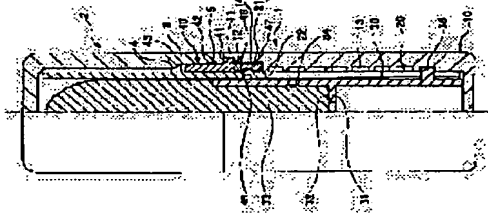
A45D 40/06

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## (54) CONTAINER FOR ROD-LIKE COSMETICS

(57)Abstract:  
PROBLEM TO BE SOLVED: To surely prevent dropping or slipping off of an inner cylindrical member from an outer cylindrical member, assemble the inner cylindrical member into the outer cylindrical member from the above for simplification of the assembling process, dispense with filling of grease or silicone for generating rotational sliding resistance, and provide one part with both the function of preventing the dropping or slipping off thereof and the function of generating rotational sliding resistance effectively.

SOLUTION: A fitted ring 21 is arranged annularly on the outer circumference of an inner cylinder 20, and an upper part of an outer cylinder 10, an intermediate part 40 is arranged. In the part 40, plural elastic flexible parts 45 are formed, and on the inner circumferential surface thereof, a fitted recess 46 is formed to the ring 21 of the inner cylinder 20 is formed. On the fore inner surface of the part 45, a projection 47 is formed to elastically abut on the outer surface of the circumferential wall of the inner cylinder 20.



## LEGAL STATUS

[Date of request for examination] 20.09.2001  
[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3601732

[Date of registration] 01.10.2004

[Number of appeal against examiner's decision]

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## CLAIMS

[Claim(s)]

[Claim 1] By making it engage with the spiral slot of the outer case object which put the projection which made it project outward on this container liner object through the vertical slit of the container liner object put on this cosmetics \*\*\* from cosmetics \*\*\* equipped with cylindrical cosmetics, and rotating this outer case object In the cylindrical cosmetics container moves the above-mentioned projection along the above-mentioned spiral slot, making the above-mentioned vertical slit guide, and it was made to make the slide migration of the above-mentioned cosmetics \*\*\* carry out in the vertical direction to this outer case object While making it project outward in the above-mentioned vertical slit upper part location of the above-mentioned container liner object and forming a stop projection in it The cylindrical cosmetics container characterized by equipping with an implement while were formed in the shape of [ which surrounds this container liner object ] a ring between the above-mentioned container liner object and the above-mentioned outer case object, and having the elastic flexible section which overcomes the above-mentioned stop projection and the fitting device which pinches this stop projection from the upper and lower sides was formed inside this elastic flexible section.

[Claim 2] By making it engage with the spiral slot of the outer case object which put the projection which made it project outward on this container liner object through the vertical slit of the container liner object put on this cosmetics \*\*\* from cosmetics \*\*\* equipped with cylindrical cosmetics, and rotating this outer case object In the cylindrical cosmetics container moves the above-mentioned projection along the above-mentioned spiral slot, making the above-mentioned vertical slit guide, and it was made to make the slide migration of the above-mentioned cosmetics \*\*\* carry out in the vertical direction to this outer case object The cylindrical cosmetics container characterized by equipping with an implement while the elastic flexible section which is formed in the shape of [ which surrounds this container liner object ] a ring between the above-mentioned container liner object and the above-mentioned outer case object, and \*\*\* to the peripheral face of this container liner object was formed.

[Claim 3] By making it engage with the spiral slot of the outer case object which put the projection which made it project outward on this container liner object through the vertical slit of the container liner object put on this cosmetics \*\*\* from cosmetics \*\*\* equipped with cylindrical cosmetics, and rotating this outer case object In the cylindrical cosmetics container moves the above-mentioned projection along the above-mentioned spiral slot, making the above-mentioned vertical slit guide, and it was made to make the slide migration of the above-mentioned cosmetics \*\*\* carry out in the vertical direction to this outer case object While making it project outward in the above-mentioned vertical slit upper part location of the above-mentioned container liner object and forming a stop projection in it While having the elastic flexible section which is formed in the shape of [ which surrounds this container liner object ] a ring between the above-mentioned container liner object and the above-mentioned outer case object, overcomes the above-mentioned stop projection, and \*\*\* to the peripheral face of this container liner object The cylindrical cosmetics container characterized by equipping with an implement while the fitting device which pinches this stop projection from the upper and lower sides was formed inside this elastic flexible section.

[Translation done.]

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## DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]  
[Field of the Invention] This invention equips the outside of the container liner object which has a vertical slit on the outside of cosmetics \*\*\*\* which has a projection in a peripheral face, and cosmetics \*\*\*\*, and a container liner object with the outer case object which has a spiral slot, penetrates a vertical slit and relates to the cylindrical cosmetics container which consists of a body of a tubed container filled up with cylindrical cosmetics as a projection comes to insert in spiral Mizouchi, and a tubed cap fitted in this.

[0002]  
[Description of the Prior Art] Conventionally, in this kind of cylindrical cosmetics container, if an outer case object is rotated to a container liner object in order to let out cosmetics, since a container liner object will fall out from the outer case inside of the body A flange is projected and formed in the lower limit section periphery of a container liner object for omission prevention of such a container liner object. After forming an engagement crevice in the bottom circles periphery of an outer case object, inserting a container liner object from the lower part of an outer case object on the other hand and making a flange engage with an engagement crevice, he is trying to stop the pars basilaris ossis occipitalis of an outer case object with a bottom cap. [0003] Moreover, in case an outer case object is rotated to a container liner object, since a rotation sliding friction is produced, it is filled up with grease or silicon between an outer case object and a container liner object, and enables it to acquire smooth actuation feeling by this.

[0004]  
[Problem(s) to be Solved by the Invention] However, since it was the structure which stops the pars basilaris ossis occipitalis of an outer case object with a bottom cap after inserting a container liner object from the lower part of an outer case object and making a flange engage with an engagement crevice, it is in this conventional cylindrical cosmetics container, the bottom cap needed to be manufactured separately, and needed to be attached and the technical problem that a process was complicated and cost also required it occurred.

[0005] Moreover, although it was filled up with grease or silicon between the outer case object and the container liner object in order to produce the rotation sliding friction at the time of rotating a container liner object and an outer case object therefore, the technical problem that a production process was complicated also occurred.

[0006] This invention is what was made in view of this conventional technical problem. The purpose While being able to perform certainly omission prevention of the container liner object from the outer case inside of the body, a container liner object can be attached to the outer case inside of the body from the upper part. A process can be simplified, since a rotation sliding friction is produced further, it can also omit being filled up with grease or silicon, and it aims at moreover offering the cylindrical cosmetics container which can summarize efficiently two functions, these omission prevention and a rotation sliding friction, on one components, and can constitute them.

[0007]

[Means for Solving the Problem] In order to attain this purpose, this invention minds the vertical

slit of the container liner object which put the projection which made it project outward on this cosmetics \*\*\*\* from cosmetics \*\*\*\* equipped with cylindrical cosmetics. By making it engage with the spiral slot of the outer case object put on this container liner object, and rotating this outer case object in the cylindrical cosmetics container moves the above-mentioned projection along the above-mentioned spiral slot, making the above-mentioned vertical slit guide, and it was made to make the slide migration of the above-mentioned cosmetics \*\*\*\* carry out in the vertical direction to this outer case object While making it project outward in the above-mentioned vertical slit upper part location of the above-mentioned container liner object and forming a stop projection in it is characterized by equipping with an implement, while were formed in the shape of [ which surrounds this container liner object ] a ring between the above-mentioned container liner object and the above-mentioned outer case object, and having the elastic flexible section which overcomes the above-mentioned stop projection and the fitting crevice which pinches this stop projection from the upper and lower sides was formed inside this elastic flexible section.

[0008] Moreover, by making it engage with the spiral slot of the outer case object which put the projection which made it project outward on this container liner object through the vertical slit of the container liner object put on this cosmetics \*\*\*\* from cosmetics \*\*\*\* equipped with cylindrical cosmetics, and rotating this outer case object in the cylindrical cosmetics container moves the above-mentioned projection along the above-mentioned spiral slot, making the above-mentioned vertical slit guide, and it was made to make the slide migration of the above-mentioned cosmetics \*\*\*\* carry out in the vertical direction to this outer case object It is characterized by equipping with an implement, while the elastic flexible section which is formed in the shape of [ which surrounds this container liner object ] a ring between the above-mentioned container liner object and the above-mentioned outer case object, and \*\*\*\* to the peripheral face of this container liner object was formed.

[0009] Furthermore, by making it engage with the spiral slot of the outer case object which put the projection which made it project outward on this container liner object through the vertical slit of the container liner object put on this cosmetics \*\*\*\* from cosmetics \*\*\*\* equipped with cylindrical cosmetics, and rotating this outer case object in the cylindrical cosmetics container moves the above-mentioned projection along the above-mentioned spiral slot, making the above-mentioned vertical slit guide, and it was made to make the slide migration of the above-mentioned cosmetics \*\*\*\* carry out in the vertical direction to this outer case object While making it project outward in the above-mentioned vertical slit upper part location of the above-mentioned container liner object and forming a stop projection in it While having the elastic flexible section which is formed in the shape of [ which surrounds this container liner object ] a ring between the above-mentioned container liner object and the above-mentioned outer case object, overcomes the above-mentioned stop projection, and \*\*\*\* to the peripheral face of this container liner object It is characterized by equipping with an implement, while the fitting crevice which pinches this stop projection from the upper and lower sides was formed inside this elastic flexible section.

[0010] According to the cylindrical cosmetics container of invention of claim 1 which has the above-mentioned configuration, to the stop projection of a container liner object By fitting in the fitting crevice formed inside the elastic flexible section of an inside implement, attaching the container liner object with which the implement in after that was attached from the upper part of an outer case object, and equipping with an inside [ this ] implement between outer case objects It becomes unnecessary bottom capping [ which can prevent the omission of a container liner object, therefore stops the pars basilaris ossis occipitalis of an outer case object ], and a manufacture process is also simplified.

[0011] Moreover, delivery actuation of smooth cosmetics can be guaranteed, without according to the cylindrical cosmetics container of invention of claim 2, being able to produce a rotation sliding friction and being filled up with grease or silicon between an outer case object and a container liner object, in case an outer case object is rotated, in order to let out cosmetics, when the elastic flexible section of an inside implement \*\*\*\* to the peripheral face of a container liner object

[0012] Furthermore, according to the cylindrical cosmetics container of invention of claim 3, the two above-mentioned functions can be summarized on one components called an inside implement, it can constitute from a highly efficient gestalt, and the good cylindrical cosmetics container of manufacturability can be offered.

[0013]

[Embodiment of the Invention] Hereafter, the example of this invention is explained to a detail with reference to an accompanying drawing. Drawing 1 thru/or drawing 4 show the 1st example of the cylindrical cosmetics container of this invention.

[0014] The cylindrical cosmetics container of this example is constituted by the tubed cap 2 fitted in the body 1 of a tubed container, and this. It consists of the outer case object 10 with which the body 1 of a tubed container forms the outline as shown in drawing 1, a container liner object 20, and cosmetics \*\*\*\* 30, the container liner object 20 is arranged on the outside of cosmetics \*\*\*\* 30, and the outer case object 10 is arranged on the outside of the container liner object 20. Moreover, it is equipped with the inside implement 40 between the container liner objects 20 near the upper limit section of the outer case object 10.

[0015] The outer case object 10 is a barrel of the owner bottom of a cylindrical shape, the annular notch 11 is formed in upper limit section inner circumference, and the annular crevice 14 is formed in the lower part inner circumference through the annular step 12. Furthermore, the spiral slot 13 is engraved on the lower part inner circumference.

[0016] The container liner object 20 is a barrel which has an outer diameter a little smaller than the bore of the outer case object 10, and a streak of fitting ring 21 as a stop projection protrudes annularly along the hoop direction near the upper limit section of the outer case object 10 in the abbreviation pars intermedia of the peripheral face. Moreover, the vertical slit 22 which was made to correspond to the shaft-orientations die length of the spiral slot 13 of the outer case object 10, and was formed under the fitting ring 21 is formed, and opening of this vertical slit 22 is carried out caudad.

[0017] Cosmetics \*\*\*\* 30 is the barrel which has an outer diameter a little smaller than the bore of the container liner object 20, it is divided up and down with a bridgewall 31, that upper part is formed as a cosmetics pan 32, and the cosmetics 33, such as a lip stick, foundation, and rouge, are dedicated to this cosmetics pan 32. Moreover, the engagement device 34 for omission prevention of cosmetics 33 is continued and formed in the hoop direction at the upper part section inner skin of the cosmetics pan 32. Furthermore, in the peripheral face lower part of cosmetics \*\*\*\* 30, the engagement projections 35 and 35 project to the method of outside, and are formed in the location which counters at it. This engagement projection 35 constitutes the advanced device of cosmetics \*\*\*\* 30 by penetrating the vertical slit 22 formed in the container liner object 20, and being engaged in the spiral slot 13 of the outer case object 10.

[0018] Therefore, if the outer case object 10 is relatively rotated to the container liner object 20 from the condition shown in drawing 2, as shown in drawing 3, the engagement projection 35 goes up to the upper limit location of the vertical slit 22 along the spiral slot 13, and, thereby, the cosmetics 33 of the cosmetics pan 32 come to project from the outer case object 10.

[0019] The inside implement 40 has the shape of a ring which surrounds the container liner object 20, and along the hoop direction, a streak of annular projected part 41 projects in the pars intermedia of the peripheral face, and it is formed in it. Moreover, a streak of annular rib 42 is projected and formed above the annular projected part 41 along the hoop direction. Furthermore, the inclined plane 43 is formed in the upper limit section periphery of the inside implement 40. Furthermore, suspension formation of two or more elastic flexible sections 45 is carried out through the slit 44 in the hoop direction at the lower part of the annular projected part 41. The fitting crevice 46 which can fit into the fitting ring 21 of the container liner object 20 is formed in the inside of this elastic flexible section 45, and the projected part 47 of the inner sense is projected and formed in the point.

[0020] The outer diameter is equal to the outer diameter of the outer case object 10, the tubed cap 2 is formed, and the lower part section 3 is formed a little in closing in through the inclined plane 4. And the annular rib 42 of the inside implement 40 and a streak of circular sulcus 5 which can be fitted in are formed in the inner skin of the lower part section 3 along a hoop direction,

and, thereby, the tubed cap 2 fits into it detachably through an implement 40 at the body 1 of a tubed container during the above.

[0021] If cosmetics \*\*\*\* 30 is arranged and it equips with the inside implement 40 from the upper part of the container liner object 20 in the container liner object 20 of the above configurations, as shown in drawing 4, the elastic flexible section 45 of the inside implement 40 will overcome the fitting ring 21 of the container liner object 20 by bending to the method of the outside of some, and the fitting crevice 46 will fit into the fitting ring 21. And if an implement 40 is inserted while attaching in the container liner object 20 and this from the upper part of the outer case object 10, the annular projected part 41 of the inside implement 40 will stop to the annular notch 11 formed in the outer case object 10. Then, if the outer case object 10 and the inside implement 40 are welded in one, it is fixed where the upper and lower sides of the fitting ring 21 are put in the elastic flexible section 45 of the inside implement 40, and the container liner object 20 can prevent the container liner object 20 falling out of the outer case object 10, and coming out of it by this. Under the present circumstances, it becomes possible to attach the container liner object 20 from the upper part in the outer case object 10, it becomes unnecessary conventional bottom capping [ which stops the pars basilaris oissis occipitalis of the outer case object 10 ], and a manufacture process is also simplified by this.

[0022] Moreover, since the projected part 47 formed in the method of the inside of a point of the elastic flexible section 45 is \*\*\*\*(ed) to the lower peripheral face of the fitting ring 21 of the container liner object 20, it can produce the rotation sliding friction at the time of rotating the outer case object 10 and letting out cosmetics, and can secure delivery actuation of smooth cosmetics.

[0023] Furthermore, the container liner object 20 from the above-mentioned outer case object 10 can fall out, a stop and two functions of grant of the sliding friction at the time of outer case object 10 rotation can be summarized on one components called the inside implement 40, and can be constituted, and the good cylindrical cosmetics container of manufacturability can be offered.

[0024] Drawing 5 shows other examples, and omits and describes the explanation which gives the same sign to the same component as said example, and overlaps it.

[0025] Although it is the cylindrical cosmetics container of the type which inserts the cosmetics 33, such as a cast lip stick, foundation, and rouge, in the cosmetics pan 32 of cosmetics \*\*\*\* 30 in the example shown in drawing 1 thru/or drawing 4 In the example of this drawing 5, the container liner object 20 is arranged in the outer case object 10, and cosmetics \*\*\*\* 30 is arranged in the container liner object 20. At the time of restoration of cosmetics The temporary cap 25 is put on the upper limit section of the container liner object 20, it applies to the cylindrical cosmetics container of the type directly filled up with cosmetics by slushing cosmetics 33a fused from lower part opening of the outer case object 10 after that, and the operation and effectiveness are the same as the 1st example of the above.

[0026]

[Effect of the Invention] As mentioned above, if it is in the cosmetics container of this invention as explained While making it project outward in the vertical slit upper part location of a container liner object and forming a stop projection in it. While having the elastic flexible section which is formed between a container liner object and an outer case object in the shape of [ which surrounds a container liner object ] a ring, and overcomes a stop projection Since it is characterized by equipping with an implement while the fitting device which pinches a stop projection from the upper and lower sides was formed inside the elastic flexible section After the fitting crevice inside [ elastic flexible section ] an inside implement has put the stop projection of a container liner object from the upper and lower sides, it is equipped with an inside implement between outer case objects, and it can prevent that a container liner object falls out from the outer case inside of the body by this. Under the present circumstances, it becomes possible to attach a container liner object to the outer case inside of the body from the upper part, it becomes unnecessary bottom capping [ which stops the pars basilaris oissis occipitalis of an outer case object ], and a manufacture process can also be simplified again.

[0027] Moreover, since it is characterized by equipping with an implement while the elastic

flexible section which is formed between a container liner object and an outer case object in the shape of [ which surrounds a container liner object ] a ring, and \*\*\*\* to the peripheral face of a container liner object was formed Delivery actuation of smooth cosmetics can be guaranteed without being able to obtain the rotation sliding friction at the time of the elastic flexible section of an inside implement \*\*\*\*(ing) to the peripheral face of a container liner object, rotating an outer case object by this, and letting out cosmetics, and being filled up with grease or silicon between an outer case object and a container liner object like before.

[0028] Furthermore, while making it project outward in the vertical slit upper part location of a container liner object and forming a stop projection in it While having the elastic flexible section which is formed between a container liner object and an outer case object in the shape of [ which surrounds a container liner object ] a ring, overcomes a stop projection, and \*\*\*\* to the peripheral face of a container liner object Since it is characterized by equipping with an implement while the fitting crevice which pinches a stop projection from the upper and lower sides was formed inside the elastic flexible section The container liner object from the above-mentioned outer case object can fall out, two functions of grant of a stop and the rotation sliding friction at the time of outer case object rotation can be summarized on one components called an inside implement. it can constitute from a highly efficient gestalt, and the outstanding effectiveness that the good cylindrical cosmetics container of manufacturability can be offered is done so.

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DESCRIPTION OF DRAWINGS

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[Brief Description of the Drawings]

[Drawing 1] It is the decomposition perspective view of the body of a tubed container of the cylindrical cosmetics container concerning the 1st example of this invention.

[Drawing 2] the condition of having equipped with the cap is shown in the cylindrical cosmetics container concerning the 1st example of this invention -- it is a cross-section side elevation a part.

[Drawing 3] the condition of having removed the cap and having let out cosmetics from the cylindrical cosmetics container concerning the 1st example of this invention is shown -- it is a cross-section side elevation a part.

[Drawing 4] It is the important section expanded sectional view of drawing 2.

[Drawing 5] a part of time of cosmetics restoration of the cylindrical cosmetics container in which other examples of this invention are shown -- it is a cross-section side elevation.

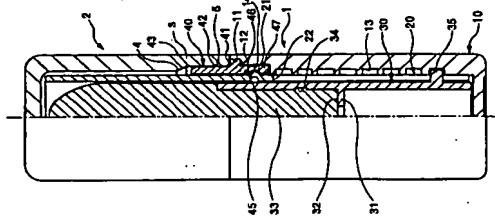
[Description of Notations]

- 2 Tubed Cap 10 Outer Case Object
- 13 Spiral Slot 20 Container Liner Object
- 21 Fitting Ring 22 Vertical Slit
- 30 Cosmetics \*\*\* 35 Engagement Projection
- 33 Cylindrical Cosmetics 40 Inside Implement
- 45 Elastic Flexible Section 46 Fitting Crevice

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[Translation done.]

(51)Int.Cl. A 4 5 D. 40/06	類別記号	片内整理番号	F I A 4 5 D 40/06	技術表示箇所 C
(21)出願番号 特願平7-258809	(71)出願人 00001959 株式会社實生堂	平成7年(1995)10月6日	審査請求 未請求	請求項の数3 OL (全6頁)
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(54)【発明の名義】 棒状化粧料容器

(57) 【聖約】

【目的】 外筒体内から内筒体の抜け防止が確実にできるとともに、外筒体内に内筒体を上方から組み付けることができ、工程を簡便化でき、さらに回転駆動抵抗を生じさせるためにグリースやシリコンを充填することをも望め、しかもより安く抜け防止と回転駆動抵抗の二つの機能を、効率的に一つの部品でまとめ構成することができる特殊な材料を提供する。

【構成】 内筒体20の周面に嵌合リング21を環状に突設する。外筒体10の内壁面と内筒体20の嵌合リング21の間に間隙を設ける。間隙40に複数の弾性部材45を形成するとともに、その周面内に内筒体20の嵌合リング21に嵌合可能な嵌合凹部46を形成する。間隙40に形成された弾性部材45の先端部内面に突部47を形成し、内筒体20の周面内に弾接させる。

## 【卒】許婚求の範圍

[illegible]

に配内筒体の上記縦スリット上方位置に外向きに変位させ、  
てせしめて係止突起を形成するとともに、  
と配内筒体と上配外筒体との間に、該内筒体を連結する  
弾性可撓部を有するとともに、該弾性可撓部の内側に該係止突  
起を上記下方方向から挟持する嵌合凹部が形成された中具を  
装着したことから特徴とする複相化材料成形。

【請求項2】 棒状化粧料が装着される化粧料皿筒から

内向きに突出させた突起を、酸化亜鉛血管内に密着した外筒体の螺旋スリットに嵌合させ、該外筒体を回転することにより、酸化亜鉛血管内に密着させた突起が、螺旋スリットに沿って上配電極まで移動させて、該外筒体に対し上配化粧品血管を上向きに突出させるようにした線状化粧品容器において、

上配内筒体と上配外筒体との間に、該内筒体を囲繞するリング状に形成され、かつ該内筒体の外周面に弾接する弾性可撓部が形成された中具を装着したことを特徴とする構造化燃料容器。

【請求項3】 棒状化燃料が装着される化燃料面筒から外向きに突出する突起を、該化燃料面筒に密着した内筒体と、該内筒体の縦スリットを介して、該内筒体と密着した外筒体とが一体的に形成され、該外筒体は回転することにより、内筒体と縦スリットに嵌合させつつ上記燃料面筒に沿って上記突起を移動させて、該外筒体に対して上記燃料面筒を上記突起を移動させるようとした棒状化燃料容器において、スライド移動させるようとした棒状化燃料容器

上記内筒体の上記縦スリット上方位置に外向きに突出さ

配内筒体と上配外筒体との間に、該内筒体と四隅するリング状に形成され、上配保止突起を乗り越えて該内筒体の外周面に弾接する弾性可撓部を有するとともに、該弾性可撓部の内側に該保止突起を上方向から挟持する嵌合部が形成された中具を被着したことを特徴とする導流材料製造法。

【発明の詳細な説明】

【0001】

【発明の属する技術分野】本発明は、外周面に突起を有する化粧料血筒、化粧料血筒の外側に縦スリットを有する内筒体および内筒体の外側に螺旋溝を有する外筒体を貫通して突起が螺旋溝内に嵌入する構造を備えて、縦スリットを貫通して突起が螺旋溝内に嵌入する

るようになつてゐる棒状化燃料を充填した筒状容器本体と、これに嵌装される筒状キャップとで構成される棒状化燃料容器に関する。

**[0002]**

【従来の技術】従来、この種の棒状化燃料容器において、化燃料を抽出するため内筒体に対して外筒体を動かさず、外筒体内から内筒体が抜けてしまうので、このように外筒体の抜け防止のために、内筒体の下部、外周にフランジ部を突出して形成し、一方、外筒体の底部内周に嵌合凹部を形成し、外筒体の下方から内筒体を挿入し、フランジ部を嵌合凹部に係合させて後、外筒体の底部を底金スナップで閉止するようになっている。

【0003】また、内筒体に対して外筒体を回転させる際に、回転抵抗を生じさせるために外筒体と内筒体の間にグリースやシリコンを充填し、これにより円滑な操作感覚を得られるようにしている。

**【0004】**

【発明が解決しようとする課題】しかしながら、かかる従来の棒状燃料容器においては、外筒体の下方から内筒体を押入し、フランジ部を係合凹部に係合させた後、外筒体の底部を底キャップで閉止する構造であるため、底キャップを別個に製作し、かつ取り付ける必要がある。工程が複雑で、コストもかかるといった課題があった。

【0005】また、内筒体と外筒体を回転させる際の回転抵抗低減を生じさせるためには、外筒体と内筒体の間にグリーンズやシリコンを充填しているが、そのために製造工程が煩雑であるという課題もあった。

【0006】本発明はかかる従来の課題に鑑みてなされたもので、その目的は、外筒体内に内筒体の抜取防止が確実に行えるとともに、外筒体内に内筒体を上方から組み付けることができ、工程を簡化できる。さらに回転滑動抵抗を生じさせるためにグリースやシリコンを充填することも可能で、しかもこれら抜取防止と回転滑動抵抗の二つの機能を、効率よく一つの部品にまとめることを目的とする。

**【0007】**

【課題を解決するための手段】かかる目的を達成するためには本発明は、特許文献1に記載した炭酸水筒が、内方外方に突出させられて、炭酸水筒内面に装着した内方筒体の蓋スリットを介して、炭酸水筒内に装着した外方筒体の螺旋溝に嵌合させ、外方筒体を回転することにより、上記炭酸スリットに案内させつつ上記螺旋溝に上記炭酸水筒を移動させ、外方筒体に対し上記炭酸水筒を上記下方向にスライディング移動させるようにした特許文献2を参照する。なお、上記炭酸スリット上方位置に外向きと突出させられて、炭酸水筒を形成するとともに、上記内方筒体と上記外方筒体の間に、炭酸水筒を保持するリジッド状、すなわち剛性材料で形成され、上記炭酸スリットを穿り、上記炭酸水筒の弾性可塑性変形に形成させ、上記炭酸スリットを閉鎖する。

するとともに、該弾性可撓部の内側に該係止突起を上下方向から支持する嵌合凹部が形成された中具を装着したことを特徴とする。

【0008】また、棒状化燃料が装着される化燃料血筒から外向きに突出させた突起を、該化燃料血筒に装着した内筒体の縦断面に係合させ、該内筒体に装着した外筒体の縦断面に係合させ、該外筒体を回転させることにより、上記突起が移動させ、該外筒体に対して上配り燃料血筒を上配り燃料血筒に移動させる。また、該外筒体と内筒体との間に、該外筒体の弾性可撓部が形成された中具を装着したことを特徴とする。

【0009】さらに、棒状化燃料が装着される化燃料血筒から外向きに突出させた突起を、該化燃料血筒に装着した内筒体の縦断面に係合させ、該内筒体に装着した外筒体の縦断面に係合させ、該外筒体を回転させることにより、上記突起が移動させ、該外筒体に対して上配り燃料血筒を上配り燃料血筒に移動させる。また、該外筒体と内筒体との間に、該外筒体の弾性可撓部が形成された中具を装着したことを特徴とする。

【0010】上記構成を有する請求項1の発明の棒状化燃料容器によれば、内筒体の係止突起は、中具の弾性可撓部の内側に該係止突起を上下方向から支持する嵌合凹部が形成された中具を装着したことを特徴とする。

【0011】また、請求項2の発明の棒状化燃料容器によれば、中具の弾性可撓部の棒状化燃料容器に装着された突起は、中具の弾性可撓部の弾性可撓部が形成された中具を装着したことを特徴とする。

【0012】さらに、請求項3の発明の棒状化燃料容器によれば、上記の二つの突起を中具という一つの部品にまとめ、高強度な形態で構成することができ、製造性の良い棒状化燃料容器を提供することができる。

【0013】

【発明の実施の形態】以下、本発明の実施例を添付図面を参照して詳細に説明する。図1ないし図4は本発明の棒状化燃料容器の第1実施例を示す。

【0014】本実施例の棒状化燃料容器は、筒状容器本

体1およびこれに係合される筒状キャップ2により構成されている。筒状容器本体1は、図1に示すように、その外郭を形成する外筒体10、内筒体20、化燃料血筒30とからなり、化燃料血筒30の外側に内筒体20が配置され、内筒体20の外側に外筒体10が配置されている。また、外筒体10の上端部近傍と内筒体20との間には中具40が装着される。

【0015】外筒体10は、円筒形の有蓋の筒体で、上端部近傍には環状の切欠部11が形成され、その下方内筒体20の内側に環状の切欠部12を介して、環状の凹部14が形成されている。さらにその下方内筒体20の内筒体20の間に、中具40が装着される。

【0016】内筒体20は、外筒体10の内径よりやや小さな外径を有する筒体で、その外筒体10の切欠部近傍で外筒体10の上端部近傍には、その周方向に沿って係止突起としての一列の嵌合リング21が環状に突起している。また、嵌合リング21の下方には、外筒体10の環状の凹部14が形成されている。さらに、外筒体10の内筒体20の内側に環状の切欠部12を介して、環状の凹部14が形成されている。さらにその下方内筒体20の内筒体20の間に、中具40が装着される。

【0017】化燃料血筒30は、内筒体20の内径よりやや小さな外径を有する筒体で、仕切壁31で上下に仕切られ、その上部が化燃料血筒32として形成され、この化燃料血筒32に口紅、ファンデーション、頬紅などの化燃料33が充填されている。また、化燃料血筒32の上端部近傍には、化燃料33の脱着防止のための嵌合突起34が周方向に環状に形成されている。さらに、化燃料血筒30の外筒体20の内筒体20の内側に環状の切欠部12を介して、環状の凹部14が形成されている。さらに、外筒体10の内筒体20の内側に環状の切欠部12を介して、環状の凹部14が形成されている。さらにその下方内筒体20の内筒体20の間に、中具40が装着される。

【0018】図2は、図1に示す状態から外筒体10を内筒体20に対して相対的に移動させた状態を示す。図2に示すように、環状の切欠部12は、環状の凹部14に係合し、外筒体10は、内筒体20の内筒体20の内側に環状の切欠部12を介して、環状の凹部14が形成されている。さらに、外筒体10の内筒体20の内側に環状の切欠部12を介して、環状の凹部14が形成されている。さらにその下方内筒体20の内筒体20の間に、中具40が装着される。

【0019】中具40は、内筒体20を囲繞するリング状で、その外筒体10の内筒体20の内側に環状の切欠部12を介して、環状の凹部14に係合し、外筒体10は、内筒体20の内筒体20の内側に環状の切欠部12を介して、環状の凹部14が形成されている。さらに、外筒体10の内筒体20の内側に環状の切欠部12を介して、環状の凹部14が形成されている。さらにその下方内筒体20の内筒体20の間に、中具40が装着される。

【0020】筒状キャップ2は、その外筒体10の内筒体20の内側に環状の切欠部12を介して、環状の凹部14に係合し、外筒体10は、内筒体20の内筒体20の内側に環状の切欠部12を介して、環状の凹部14が形成されている。さらに、外筒体10の内筒体20の内側に環状の切欠部12を介して、環状の凹部14が形成されている。さらにその下方内筒体20の内筒体20の間に、中具40が装着される。

【0021】筒状キャップ2は、その外筒体10の内筒体20の内側に環状の切欠部12を介して、環状の凹部14に係合し、外筒体10は、内筒体20の内筒体20の内側に環状の切欠部12を介して、環状の凹部14が形成されている。さらに、外筒体10の内筒体20の内側に環状の切欠部12を介して、環状の凹部14が形成されている。さらにその下方内筒体20の内筒体20の間に、中具40が装着される。

てやや肉厚に形成されている。そして、その下方部30の内筒体20は、周方向に沿って中具40の環状リブ42と嵌合可能な一列の環状溝43が形成され、これにより筒状キャップ2は、上記中具40を介して筒状容器本体1に嵌合自在に嵌合するようになっている。

【0021】以上のような構成の内筒体20内に化燃料血筒30を配置し、内筒体20の上から中具40を装着する。図4に示すように、中具40の弾性可撓部45は、若干外方へ湾曲することにより内筒体20の嵌合リング21を乗り越えて、嵌合部46が嵌合リング21に嵌合する。そして、外筒体10の上から内筒体20とこれに係合した中具40とを挿入すると、中具40の弾性可撓部45は、外筒体10の内筒体20の内側に環状の切欠部12を介して、環状の凹部14に係合し、外筒体10は、内筒体20の内筒体20の内側に環状の切欠部12を介して、環状の凹部14が形成されている。さらに、外筒体10の内筒体20の内側に環状の切欠部12を介して、環状の凹部14が形成されている。さらにその下方内筒体20の内筒体20の間に、中具40が装着される。

【0022】また、弾性可撓部45の先端部45aは、環状の切欠部12に嵌合し、外筒体10は、内筒体20の内筒体20の内側に環状の切欠部12を介して、環状の凹部14に係合し、外筒体10は、内筒体20の内筒体20の内側に環状の切欠部12を介して、環状の凹部14が形成されている。さらに、外筒体10の内筒体20の内側に環状の切欠部12を介して、環状の凹部14が形成されている。さらにその下方内筒体20の内筒体20の間に、中具40が装着される。

【0023】さらに、上記の外筒体10の内筒体20の内側に環状の切欠部12を介して、環状の凹部14に係合し、外筒体10は、内筒体20の内筒体20の内側に環状の切欠部12を介して、環状の凹部14が形成されている。さらに、外筒体10の内筒体20の内側に環状の切欠部12を介して、環状の凹部14が形成されている。さらにその下方内筒体20の内筒体20の間に、中具40が装着される。

【0024】図5は他の実施例を示し、前記実施例と同様の構成部分に同一符号を付して重複する説明を省略して述べる。

【0025】図1ないし図4に示す実施例では、成型された口紅、ファンデーション、頬紅などの化燃料33を、化燃料血筒30の化燃料33に差し込むタイプの棒状化燃料容器であるが、この図5の実施例では、外筒体10の内筒体20を配置し、内筒体20の内筒体20の内側に環状の切欠部12を介して、環状の凹部14に係合し、外筒体10は、内筒体20の内筒体20の内側に環状の切欠部12を介して、環状の凹部14が形成されている。さらに、外筒体10の内筒体20の内側に環状の切欠部12を介して、環状の凹部14が形成されている。さらにその下方内筒体20の内筒体20の間に、中具40が装着される。

【0026】

【発明の効果】以上、説明したように本発明の化燃料容器によれば、内筒体の係止突起を上下方向から支持する嵌合凹部が形成された中具を装着したことを特徴とする。

体との間に、内筒体を囲繞するリング状に形成され、係止突起を乗り越えて弾性可撓部を有するとともに、弾性可撓部の内側に係止突起を上下方向から支持する嵌合凹部が形成された中具を装着したことを特徴とする。

【0027】また、内筒体と外筒体との間に、内筒体を囲繞するリング状に形成され、かつ内筒体の外筒面に弾性可撓部が形成された中具を装着したことを特徴とする。この際、外筒体内に内筒体を上方から組み付けることが可能になり、したがって外筒体の底部を閉止する底キャップが不要となり、かつまた製作工程も簡略化することができる。

【0028】さらに、内筒体の縦スリット上方位置に外向きに突出させて係止突起を形成するとともに、内筒体と外筒体との間に、内筒体を囲繞するリング状に形成され、係止突起を乗り越えて内筒体の外筒面に弾性可撓部を有するとともに、弾性可撓部の内側に係止突起を上下方向から支持する嵌合凹部が形成された中具を装着したことを特徴とする。この際、外筒体内に内筒体を上方から組み付けることが可能になり、したがって外筒体の底部を閉止する底キャップが不要となり、かつまた製作工程も簡略化することができる。

【図面の簡単な説明】  
【図1】本発明の第1実施例に係る棒状化燃料容器の筒状容器本体の分解斜視図である。

【図2】本発明の第1実施例に係る棒状化燃料容器に、キャップを装着した状態を示す一部断面図である。

【図3】本発明の第1実施例に係る棒状化燃料容器が、キャップを取り外し、化燃料を繰り出した状態を示す一部断面図である。

【図4】図2の要部拡大断面図である。

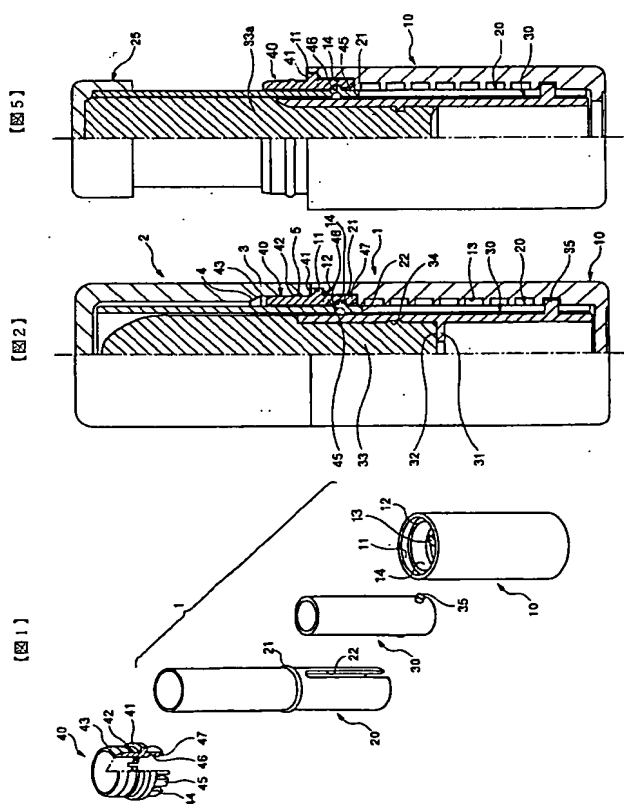
【図5】本発明の他の実施例を示す棒状化燃料容器の化燃料充填時の一部断面図である。

【符号の説明】  
2 筒状キャップ  
13 環状溝  
21 嵌合リング  
30 化燃料血筒  
33 棒状化燃料  
45 弾性可撓部



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【図3】

【図4】

【図5】

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